Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Steroid Metabolism in a High-risk Autism Spectrum Disorder Prospective Pregnancy Cohort	$35,000	2.CC	A.J. Drexel Autism Institute
National Institutes of Health	Cerebellum and Mental Disorders	$366,432	2.1	Albert Einsteign College of Medicine
FRAXA Research Foundation (FRAXA)	Autophagy is a Novel Therapeutic Target of Impaired Cognition in Fragile X Syndrome	$0	2.1	Albert Einsteign College of Medicine
National Institutes of Health	Cerebellum and Mental Disorders	$326,512	2.1	Albert Einsteign College of Medicine
National Institutes of Health	Adult Neurogenesis and Executive Function	$208,772	2.1	Albert Einsteign College of Medicine
National Institutes of Health	Structure and Function of Neonatal Social Communication in Genetic Mouse Models of Autism	$219,473	2.1	Albert Einsteign College of Medicine
Health Resources and Services Administration	Diagnosis of Psychological Distress and Anxiety among Children with Intellectual Disability and Autism by Clinicians in Developmental-Behavioral Pediatrics, Child Psychiatry and Psychology: A Qualitative study.	$0	2.2	Albert Einsteign College of Medicine
National Institutes of Health	Structure and Function of Neonatal Social Communication in Genetic Mouse Models of Autism	$135,402	2.1	Albert Einsteign College of Medicine
Simons Foundation	Minimally-Verbal ASD cognition studied via involuntary eye movements	$0	2.1	Bar-Ilan University
National Institutes of Health	Hippocampal Mechanisms in Observational Learning	$397,754	2.1	Baylor College of Medicine
Simons Foundation	Canonical Computations in Autism	$137,070	2.1	Baylor College of Medicine
National Institutes of Health	Structural and Behavioral Impact of ASD-Associated Variants of NRXN1 in Drosophila Melanogaster	$63,154	2.2	Baylor College of Medicine
Department of Defense - Army	Forward Genetic Screen to Identify Novel Therapeutic Entry Points of an Autism Spectrum Disorder	$0	2.1	Baylor College of Medicine
Department of Defense - Army	Brain Network Activation Patterns in Autism Due to Genomic Copy Number Variation	$0	2.1	Baylor College of Medicine
National Institutes of Health	Signaling Mechanisms Underlying Epilepsy and Autism Comorbidity	$415,500	2.2	Baylor College of Medicine
Brain & Behavior Research Foundation	Neuroligin 2 in Cortical Excitation-Inhibition Balance	$0	2.1	Baylor College of Medicine
Simons Foundation	Sleep EEG abnormalities in toddlers with regressive or classical autism	$0	2.2	Ben-Gurion University of the Negev
National Institutes of Health	Cortical Plasticity in Autism Spectrum Disorders	$437,682	2.1	Beth Israel Deaconess Medical Center
National Institutes of Health	Neurobiology of Aggression Comorbidity in Autism	$432,500	2.2	Beth Israel Deaconess Medical Center
National Institutes of Health	VTA VGluT2 Sociability Circuit in Genetic Autism	$437,500	2.1	Beth Israel Deaconess Medical Center

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Delineating neurodevelopmental causal paths to autism symptoms in infancy	$224,902	2.3	Birkbeck College
National Institutes of Health	1/2 - Somatic Mosaicism and Autism Spectrum Disorder	$1,777,812	2.1	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and Shank3 Mutations	$300,414	2.3	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and Shank3 Mutations	$206,943	2.3	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and Shank3 Mutations	$187,331	2.3	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and Shank3 Mutations	$315,899	2.3	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopaties Associated with TSC, PTEN and Shank3 Mutations	$69,048	2.3	Boston Children's Hospital
National Institutes of Health	Developmental Synaptopathies Associated with TSC, PTEN and SHANK3 Mutations	$62,698	2.3	Boston Children's Hospital
Tuberous Sclerosis Alliance (TSA)	Administrative Core Support for Developmental Synaptopathies Associated with TSC, PTEN and SHANK3 Mutations	$25,568	2.3	Boston Children's Hospital
National Institutes of Health	Charting the Trajectory of Executive Control in Autism in order to Optimize Delivery of Intervention	$572,970	2.1	Boston Children's Hospital
Simons Foundation	Development of corticothalamic circuits of prefrontal cortex in mouse models of autism	$75,000	2.1	Boston Children's Hospital
National Institutes of Health	Mechanisms of Synapse Remodeling in TSC	$126,066	2.2	Boston Children's Hospital
National Institutes of Health	MRI-based Biomarkers for Regional Brain Abnormalities in Autism Spectrum Disorder: From Newborns to Young Adults	$265,500	2.3	Boston Children's Hospital
National Science Foundation	Social cognition for competition versus cooperation	$0	2.Core/Other	Boston College
National Institutes of Health	Developmental Relationships Between Joint Engagement and Vocabulary in Children with Autism Spectrum Disorder	$78,250	2.1	Boston College
Brain & Behavior Research Foundation	Dysfunction of Cortical Systems for Language and Working Memory in Autism Spectrum Disorder	$17,500	2.1	Boston University
Brain & Behavior Research Foundation	Neural Circuit Basis for Cortical Oscillations as a Biomarker for Neurological Disorders	$0	2.1	Boston University
National Institutes of Health	Language Processing and Word Learning in Preschoolers with Autism Spectrum Disorder	$317,000	2.1	Boston University (Charles River Campus)
National Institutes of Health	Neurobehavioral Research on Infants at Risk for Language Delay and ASD	$284,724	2.1	Boston University (Charles River Campus)

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Neurobehavioral Research on Infants at Risk for Language Delay and ASD	$701,720	2.3	Boston University (Charles River Campus)
National Institutes of Health	Organization of Excitatory and Inhibitory Circuits in ASD	$409,250	2.1	Boston University (Charles River Campus)
National Institutes of Health	Language Processing and Word Learning in Preschoolers with Autism Spectrum Disorder	$50,188	2.1	Boston University (Charles River Campus)
Autism Research Institute	Is there evidence for pathological features of Alzeimer's Disease in the aged autistic brain?	$20,000	2.1	Boston University School of Medicine
Simons Foundation	Disrupted Homeostatic Synaptic Plasticity in Autism Spectrum Disorders.	$125,000	2.1	Brandeis University
Simons Foundation	Dissecting primary motor cortex circuit dysfunction in a mouse model of MeCP2 duplication syndrome	$275,000	2.1	Brigham and Women's Hospital
Simons Foundation	Cellular models for autism de novo mutations using human stem cells	$125,000	2.Core/Other	Broad Institute, Inc.
Simons Foundation	Cell-type-specific brain networks perturbed by genetics in autism	$272,588	2.1	Broad Institute, Inc.
Autism Science Foundation	Phase 1a of the Autism Sisters Project	$73,065	2.CC	Broad Institute, Inc.
National Institutes of Health	Mechanisms of Circuit Failure and Treatments in Patient-Derived Neurons in Autism	$406,250	2.1	Brown University
National Institutes of Health	Autism-Linked Endosomal Mechanisms in Neuronal Arborization and Connectivity	$406,250	2.1	Brown University
Simons Foundation	Assessing thalamocortical circuit function in TSC1 and NHE6 mouse models	$75,000	2.1	Brown University
National Institutes of Health	Mechanisms of Circuit Failure and Treatments in Patient-Derived Neurons in Autism	$369,162	2.1	Brown University
Simons Foundation	Analysis of UBE3A- and NHE6-mutant cells to determine social communication gene networks	$80,000	2.1	Brown University
National Institutes of Health	Binding of synGAP to PDZ Domains of PSD-95 and its Role in Intellectual Disability and Autism Spectrum Disorders Caused by synGAP Haploinsufficiency	$449,405	2.1	California Institute of Technology
Brain & Behavior Research Foundation	Developing Neural Markers to Evaluate Social Skills Training in ASD	$17,500	2.1	California Institute of Technology
Simons Foundation	A platform to identify circuit defects in autism model mice	$179,244	2.1	California Institute of Technology
National Institutes of Health	Early Development in Agenesis of the Corpus Callosum	$262,280	2.1	California Institute of Technology
Simons Foundation	Novel technology for behavioral phenotyping of autism mouse models	$75,000	2.1	California Institute of Technology

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	A Conserved Transcriptional Cascade Involved in Brain Overgrowth, Social Behavior and Autism	$733,979	2.1	Case Western Reserve University
Brain & Behavior Research Foundation	Investigation of Human Neuronal Precursor Proliferation in Autism	$35,000	2.1	Case Western Reserve University
National Institutes of Health	A Conserved Transcriptional Cascade Involved in Brain Overgrowth, Social Behavior and Autism	$33,866	2.1	Case Western Reserve University
National Institutes of Health	Social Processes Initiative in Neurobiology of Autism-spectrum and Schizophrenia-spectrum Disorders(SPIN-ASD)	$307,587	2.1	Centre For Addiction and Mental Health
National Institutes of Health	Neural Signatures of Outcome in Preschoolers with Autism	$717,394	2.3	Child Mind Institute, Inc.
National Institutes of Health	Neuronal Correlates of Autistic Traits in ADHD and Autism	$696,598	2.1	Child Mind Institute, Inc.
Simons Foundation	Investigating the mechanism of FMRP dysregulation with loss of TSC2	$79,879	2.1	Children's Hospital Boston
Simons Foundation	Establishment of Parallel Cortico-Basal Ganglia Circuits by ASD-Linked Pcdh	$81,485	2.1	Children's Hospital Boston
National Institutes of Health	Function and Structure Adaptations in Forebrain Development	$590,225	2.1	Children's Hospital of Los Angeles
National Institutes of Health	Neurophysiological and Neuroanatomical Processes Related to Autism Spectrum Disorder in Neurofibromatosis Type 1	$215,000	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Electrophysiological Signatures of Language Impairment in Autism Spectrum Disorder	$326,316	2.1	Children's Hospital of Philadelphia
National Institutes of Health	MEG Studies of Auditory Processing in Minimally/Non-Verbal Children with ASD and Intellectual Disability	$295,506	2.1	Children's Hospital of Philadelphia
National Institutes of Health	A Longitudinal Study of Brain Development in Children with Autism	$642,364	2.1	Children's Hospital of Philadelphia
National Institutes of Health	A Mitochondrial-Interneuronal Hypothesis of Autism	$605,969	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Phase-Amplitude Coupling and Dysfunction in ASD	$215,000	2.1	Children's Hospital of Philadelphia
National Institutes of Health	Role of Autism-Linked Genes in Developmental Refinement of the Corpus Callosum	$437,500	2.1	Children’s Research Institute, Children's National Medical Center
National Institutes of Health	Role of Autism-Linked Genes in Developmental Refinement of the Corpus Callosum	$113,731	2.1	Children’s Research Institute, Children's National Medical Center
Health Resources and Services Administration	RCBA - Seizure; secondary analyses	$0	2.2	Cincinnati Children's Hospital Medical Center

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Mechanism-Targeted Treatment Strategy in PTEN-Associated Autism and Epilepsy	$253,204	2.1	Cincinnati Children's Hospital Medical Center
Autism Research Institute	Proteomic Analysis of Autistic Brain Part 2: A Validation Study	$30,200	2.1	Cleveland Clinic
Autism Speaks	The impact of MECP2 mutation in gabaergic interneurons on plasticity in the auditory cortex	$20,000	2.1	Cold Spring Harbor Laboratory
Simons Foundation	Developmental origins of the female protective effect in autism	$80,000	2.CC	Cold Spring Harbor Laboratory
National Institutes of Health	Disrupted Auditory Cortical Plasticity and Behavior in a Model of Rett Syndrome	$518,964	2.1	Cold Spring Harbor Laboratory
National Institutes of Health	Dysfunction of Distinct Amygdala Circuits in a 16p11.2 Model of Autism	$240,000	2.1	Cold Spring Harbor Laboratory
Brain & Behavior Research Foundation	Role of Cortical Progenitors in the Specification of Cortical Projection Neuron Subtypes and their Diversity	$35,000	2.1	Cold Spring Harbor Laboratory
FRAXA Research Foundation (FRAXA)	Correcting Fragile X Syndrome Deficits by Targeting Neonatal PKCepsilon Signaling in the Brain	$0	2.1	College of Staten Island
National Institutes of Health	Autonomic Activity and Relations with Social Development in Infants at Low and High Risk for Autism Spectrum Disorder	$400,495	2.3	College of Staten Island
National Institutes of Health	Neurophysiological and Behavioral Correlates of Sensory and Communication Dysfunction in Children with Autism Spectrum Disorder	$135,588	2.1	Colorado State University
Brain & Behavior Research Foundation	Cellular Mechanisms Controlling White Matter Connectivity: Making Sense of a Genetic Risk Factor for Autism and Schizophrenia	$0	2.1	Columbia University
Simons Foundation	Autophagy pathway alterations in lymphocytes: Potential biomarkers for autism?	$75,000	2.1	Columbia University
National Institutes of Health	Striatal Specific Altertations in Translation, Synaptic Function, and Behavior in	$249,000	2.1	Columbia University Health Sciences
Simons Foundation	Biased spatiotemporal dynamics of striatal circuits impact behavior in ASD	$275,000	2.1	Columbia University Medical Center
Simons Foundation	Regulation of striatal neuronal development by mTOR/macroautophagy	$149,307	2.1	Columbia University Medical Center
Autism Science Foundation	Undergraduate Research Award	$0	2.1	Cornell University
National Institutes of Health	The Impact of PTEN Signaling on Neuronal Form and Function	$450,559	2.1	Dartmouth College
National Institutes of Health	The Role of Kit Signaling in Cerebellar Development	$103,005	2.1	Dartmouth College

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Developing Measures for Community-Based Research on Trauma and Related Conditions in ASD	$133,492	2.2	Drexel University
National Institutes of Health	Role of 14-3-3Epsilon in Neurite Initiation	$340,161	2.1	Drexel University
Brain & Behavior Research Foundation	In vivo Imaging of Prefrontal Cortical Activity During Social Interactions in Normal and Autism Mice	$17,500	2.1	Duke University
National Institutes of Health	A Novel Paradigm to Dissect the Function Connectivity in Shank3 Autism Model	$238,500	2.1	Duke University
Autism Science Foundation	Undergraduate Research Award	$0	2.1	Duke University
National Institutes of Health	Neural Signatures, Developmental Precursors, and Outcomes in Young Children with ASD and ADHD	$466,171	2.2	Duke University
National Institutes of Health	Deciphering High Function Autism Using Mice with Human De Novo ANK2 Mutations	$200,000	2.1	Duke University
National Institutes of Health	3/3 Chromatin Regulation During Brain Development and in ASD	$355,941	2.1	Duke University
Brain & Behavior Research Foundation	The Role of Sensory Over-responsivity in the Development of Anxiety in Children With and Without Autism	$0	2.2	Duke University Medical Center
Simons Foundation	Does Astrocyte Dysfunction Contribute to Synaptic Pathologies in Autism?	$75,000	2.1	Duke University Medical Center
Brain & Behavior Research Foundation	The Use of AAV-mediated CRISPR-Cas9 to Determine The Effect of Non-coding Genetic Variation on a Molecular Phenotype Relevant to Autism	$0	2.1	Emory University
National Institutes of Health	Genetic Regulation of Variability in Brain Oxytocin Receptors	$569,017	2.1	Emory University
National Institutes of Health	Dynamic RNA Modifications in Human Brain Development and Autism	$953,067	2.1	Emory University
National Institutes of Health	Genetic Modifiers of Seizure Disorders in Fragile X Syndrome	$275,509	2.2	Emory University
National Institutes of Health	Cycles of Social Contingency: Pivotal Transitions that Shape Brain-Behavior Development in Monkeys	$414,080	2.1	Emory University
National Institutes of Health	Mechanistic Transitions that Shape Typical and Atypical Social Visual Engagement	$296,345	2.1	Emory University
National Institutes of Health	Pathways of Social Contingency for Navigating Developmental Landscapes of Risk in ASD: Developmental Progressions and Pivotal Transitions in Infant-Caregiver Vocal Interaction	$354,043	2.1	Emory University
National Institutes of Health	Pivotal Transitions in Early Infancy that Shape Network Development of the Social Brain	$386,089	2.1	Emory University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Identifying Convergent and Divergent Autism-Associated Molecular Pathways Using in Vivo Pooled Screening and Single Cell RNA Profiling	$35,000	2.1	ETH Zurich
National Institutes of Health	Development and Afferent Regulation of Auditory Neurons	$380,000	2.1	Florida State University
Simons Foundation	Neurobiological basis of connectivity deficits in autism	$65,568	2.1	Fondazione Istituto Italiano di Tecnologia (Italian Institute of Technology)
Simons Foundation	New mathematical approaches to dissect neuronal circuits dynamics from EEG in ASD	$0	2.1	Fondazione Istituto Italiano di Tecnologia (Italian Institute of Technology)
Simons Foundation	Glial control of neuron shape and function	$82,500	2.1	Fred Hutchinson Cancer Research Center
Geisinger Autism & Developmental Medicine Institute (GADMI)	Multisensory Integration (MSI) in Klinefelter and Turner Syndromes	$0	2.1	Geisinger-Bucknell Research Initiative
Geisinger Autism & Developmental Medicine Institute (GADMI)	Visual Signals Using Webcam	$0	2.1	Geisinger-Bucknell Research Initiative
Autism Science Foundation	Pupil Response in Individuals with ASD and Known Copy Number Variations	$0	2.1	Geisinger Clinic
National Institutes of Health	Gender Differences in Quantitative Measures of Autonomic Function and Clinical Features of the Autism Phenotype	$105,440	2.CC	Geisinger Clinic
Simons Foundation	The role of glial CHD2 in synaptic homeostatic plasticity and autism	$0	2.1	Georgetown University
Simons Foundation	Disruption of Cortical Projection Neurons, Circuits, and Cognition in ASD	$0	2.1	George Washington University
Simons Foundation	Dysregulation of mTor/Tsc in 22q11DS Autism Model	$0	2.1	George Washington University
National Institutes of Health	Mechanisms and Rescue of Neural Circuit Dysfunction in Mecp2 Mutant Mice	$249,000	2.1	George Washington University
Health Resources and Services Administration	Does Food Addiction Mediate the Relationship between BMI and ASD?	$0	2.2	George Washington University
National Institutes of Health	Defining the Molecular Mechanisms of Sex Differences in Cognitive Function	$446,742	2.CC	George Washington University
National Science Foundation	Gesture as a forerunner of linguistic change-insights from autism	$0	2.3	Georgia State University
Simons Foundation	Impaired sensory perception and aberrant cortical circuit activity in autism model mice	$80,000	2.1	Georgia Tech Research Corporation
Simons Foundation	Microglia in models of normal brain development, prenatal immune stress and genetic risk for autism	$100,000	2.1	Harvard Medical School
National Institutes of Health	Neurotrophic Factor Regulation of Gene Expression	$623,443	2.1	Harvard Medical School
National Institutes of Health	Neuronal Activity-Dependent Regulation of MeCP2	$547,924	2.1	Harvard Medical School

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Understanding Somatosensory Deficits in Autism Spectrum Disorders	$88,884	2.1	Harvard Medical School
Simons Foundation	Understanding Somatosensation Deficits in Autism Spectrum Disorder	$352,500	2.1	Harvard Medical School
National Institutes of Health	Elucidating Cutaneous Mechanosensory Circuits, from Development to Disease	$831,501	2.1	Harvard Medical School
National Institutes of Health	Project 3 Arlotta	$490,100	2.1	Harvard University
Simons Foundation	Molecular characterization of temperature sensitive circuits in the mouse	$60,000	2.1	Harvard University
Simons Foundation	Probing perception and sensorimotor coupling in mouse models of autism	$75,000	2.1	Harvard University
National Institutes of Health	Modeling ASD-Linked Genetic Mutations in 3D Human Brain Organoids	$571,066	2.1	Harvard University
National Institutes of Health	Role of Somatic Mosaicism in Autism, Schizophrenia, and Bipolar Disorder Brain	$408,398	2.1	Hugo W. Moser Research Institute at Kennedy Krieger, Inc.
National Institutes of Health	A Novel Framework for Impaired Imitation in ASD	$529,137	2.1	Hugo W. Moser Research Institute at Kennedy Krieger, Inc.
National Institutes of Health	Genetics of Conotruncal Defects and Associated Neurodevelopmental Outcomes	$453,446	2.2	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Neurodevelopmental Phenotypes in MLL Mutant Mice	$419,004	2.1	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Cdh8-Dependent Circuit Development in Autism	$381,375	2.1	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Control of Neuronal Transcriptional Elongation by Brd4 and its Contribution to Autism	$41,724	2.1	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Sensory Consequences of Action in Children with Autism Spectrum Disorders	$205,798	2.1	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Underlying Neuronal Circuitry of Attention in Both Sexes of a Rat Model of Fragile X Syndrome	$42,924	2.CC	Icahn School of Medicine at Mount Sinai
Autism Speaks	Molecular control of developing corticostriatal circuits and behaviors in an autism model	$0	2.1	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Electrophysiological Markers for Interventions in Phelan-McDermid Syndrome and Idiopathic Autism	$648,380	2.1	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Development of Corticostriatal Networks in Health and Disease	$44,364	2.1	Icahn School of Medicine at Mount Sinai
National Institutes of Health	Using Complex Video Stimuli to Elucidate Atypical Brain Functioning in ASD	$546,067	2.1	Indiana University Bloomington
FRAXA Research Foundation (FRAXA)	Research Points to Drugs which Inhibit PDE to Treat Fragile X	$0	2.1	INSERM

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Developmental Role of Prefrontal Cortex-raphe Circuits in Stress and Mood Disorders	$0	2.1	INSERM
Simons Foundation	Exploring RAT model for 16p11.2 syndrome	$91,553	2.1	Institut de Genetique et de Biologie Moleculaire et Cellulaire (CERBM)
Simons Foundation	Generating a new Del(Sult1a1-Spn) 16p11.2 deletion model in Long-Evans Rat	$0	2.1	Institut de Genetique et de Biologie Moleculaire et Cellulaire (CERBM)
Simons Foundation	Probing the development and reversibility of autism-related phenotypes in SETD5 conditional knockout mice	$99,789	2.1	Institute of Science and Technology Austria
National Institutes of Health	Therapeutic Potential and Mechanisms of Tau Reduction in Autism Models	$750,148	2.1	J. David Gladstone Institutes
Simons Foundation	Defective lineage-dependent precise neocortical circuit assembly in ASD	$82,500	2.1	Joan & Sanford I. Weill Medical College of Cornell University
Simons Foundation	Eliminating MRI motion with personalized head restraints	$70,000	2.Core/Other	Joan & Sanford I. Weill Medical College of Cornell University
National Institutes of Health	AMPA Receptor Trafficking Regulates Social Behaviors in Autism	$408,750	2.1	Johns Hopkins University
National Institutes of Health	Characterization of a Novel Population of Parvocellular Oxytocin Neurons Controlling Social Reward Learning	$491,250	2.1	Johns Hopkins University
National Science Foundation	CRCNS Research Proposal: Collaborative Research: Discovering Network Structure in the Space of Group-Level Functional Differences	$776,050	2.1	Johns Hopkins University
National Institutes of Health	Somatosensory Inhibitory Dysfunction in Autism Spectrum Disorder	$479,262	2.1	Johns Hopkins University
National Institutes of Health	A Multimodal Investigation of Inhibitory Dysfunction in Autism Spectrum Disorder	$249,000	2.1	Johns Hopkins University
National Institutes of Health	Maximizing Biospecimen Collection from Children with Mental Health Conditions	$1	2.1	Kaiser Foundation Research Institute
National Science Foundation	UNS: GARDE: Research to Quantify the Health and Development of Children with Disabilities Around the Clock	$0	2.2	Kansas State University
Brain & Behavior Research Foundation	Cerebellum, Simple System with Complex Functions in Health and Disease: New Roles of the Cerebellum in Pathophysiology of Autism	$35,000	2.1	Karolinska Institute
Simons Foundation	Identifying autism-associated signaling pathways regulated by CHD8 in vivo	$0	2.1	King's College London
Brain & Behavior Research Foundation	Investigating the Role of Homeostatic Plasticity in Autism Spectrum Disorder	$0	2.1	King's College London
Brain & Behavior Research Foundation	Shifting Brain Excitation/Inhibition Balance in Autism Spectrum Disorder	$0	2.1	King's College London

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	2.1	Landmark College
National Institutes of Health	Cellular and Molecular Analysis of the Schizophrenia and Autism Spectrum Disorder Gene Transcription Factor 4 (TCF4)	$456,500	2.1	Lieber Institute, Inc.
Health Resources and Services Administration	RCBA - Exercise; secondary analyses	$0	2.2	Lurie Center
Department of Defense - Army	Predicting Situational Onset of Aggression in Minimally Verbal Youth with Autism Using Biosensor Data and Machine Learning Algorithms	$0	2.1	Maine Medical Center
Simons Foundation	Characterizing Sensory Hypersensitivities in Autism	$0	2.1	Massachusetts General Hospital
National Institutes of Health	Dissecting Recurrent Microdeletion Syndromes Using Dual-Guide Genome Editing	$580,798	2.1	Massachusetts General Hospital
Autism Research Institute	Gender Dimorphism: Microbiome Analysis in Autistic Boys and Girls	$20,000	2.CC	Massachusetts General Hospital
National Institutes of Health	Mechanotransduction C. Elegans	$588,908	2.1	Massachusetts General Hospital
National Institutes of Health	Neuroimaging Genetics to Study Social Cognitive Deficits in ASD and Schizophrenia	$249,000	2.1	Massachusetts General Hospital
Simons Foundation	Molecular consequences of strong effect ASD mutations including 16p11.2	$100,000	2.1	Massachusetts General Hospital
National Institutes of Health	In Vivo Ultra-High Field Anatomical Evidence of Cortical Abnormalities in ASD	$249,259	2.1	Massachusetts General Hospital
National Institutes of Health	Environmental Toxins and Microglia-Synapse Interactions in Autism	$377,509	2.1	Massachusetts General Hospital
National Institutes of Health	Testing the Bottom-Up vs Top-Down Imbalance Hypothesis of ASD	$841,853	2.1	Massachusetts General Hospital
National Institutes of Health	Sex-Biased Mitochondrial Alterations Underlying Male Susceptibility to Neurodevelopmental Disorders	$58,654	2.CC	Massachusetts General Hospital
National Institutes of Health	Synaptic Pathophysiology of the 16p11.2 Microdeletion Mouse Model	$531,026	2.2	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Rapid Phenomic Interrogation of CRISPR-Cas9 Edited Mammalian Brains	$0	2.1	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Advancing a Biomarker of Disrupted GABAergic Neurotransmission in Autism	$17,500	2.1	Massachusetts Institute of Technology
National Institutes of Health	Compressive Genomics for Large Omics Data Sets: Algorithms, Applications and Tools	$350,181	2.Core/Other	Massachusetts Institute of Technology

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	2.1	Massachusetts Institute of Technology
Simons Foundation	The role of PTCHD1 in thalamic reticular nucleus function and ASD	$0	2.1	Massachusetts Institute of Technology
Simons Foundation	Delineating neural circuits underlying autism-like behaviors in mice	$150,000	2.1	Massachusetts Institute of Technology
National Institutes of Health	Elucidating Neural Substrates that Mediate Autism-Like Behaviors	$514,379	2.1	Massachusetts Institute of Technology
Simons Foundation	Role of the Thalamic Reticular Nucleus in ASD	$240,000	2.1	Massachusetts Institute of Technology
National Institutes of Health	The Neural Architecture of Pragmatic Processing	$397,500	2.1	Massachusetts Institute of Technology
Simons Foundation	Conserved neural mechanisms for social motivation in mice and humans	$79,868	2.1	Massachusetts Institute of Technology
Simons Foundation	Translational biomarkers of genetically defined autism spectrum disorders - Core	$0	2.1	Massachusetts Institute of Technology
Brain & Behavior Research Foundation	Mechanisms of Thalamic Receptive Field Disruption in Autism Spectrum Disorder	$35,000	2.1	Massachusetts Institute of Technology
National Institutes of Health	Simultaneous Multiplexed In Situ Fluorescence Imaging of Neuronal Proteins and Messenger RNAs	$400,900	2.1	Massachusetts Institute of Technology
National Institutes of Health	Characterizing Neural Adaptation in Autism Spectrum Disorder	$58,654	2.1	Massachusetts Institute of Technology
National Institutes of Health	2/3 Chromatin Regulation During Brain Development and in ASD	$129,927	2.1	Mayo Clinic Rochester
FRAXA Research Foundation (FRAXA)	Metformin and Aberrant Insulin Signaling in a Fragile X Mouse Model	$0	2.1	McGill University
Brain & Behavior Research Foundation	Dysregulation of Integrated Stress Response (ISR) Pathway In Autism	$17,500	2.1	McGill University
National Institutes of Health	Transcriptional Regulation of Synapse Development in Intellectual and Developmental Disorders	$373,750	2.1	Medical University of South Carolina
FRAXA Research Foundation (FRAXA)	Quantitative Assessment of the Serotonin System in a Mouse Model of Fragile X Syndrome	$0	2.1	Mercer University
National Institutes of Health	The Influence of Visual Perceptual Salience on Word Processing and Word Learning in Young Children with Autism Spectrum Disorder	$155,000	2.1	Michigan State University
National Institutes of Health	Neonatal ABRs and Heritable Risk for ASD	$193,750	2.1	Michigan State University
Autism Research Institute	Dysbiosis at birth as a model for increased risk of autism	$25,000	2.2	MIND Institute

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Science Foundation	Using genes and IPSC cells from the same patient to determine the potential validity of a blood based biomarker	$0	2.1	Mount Sinai School of Medicine
Autism Science Foundation	Undergraduate Research Award	$3,000	2.1	Mount Sinai School of Medicine
National Institutes of Health	Dysregulation of Protein Synthesis in Fragile X Syndrome and Other Developmental Disorders	$1,582,883	2.2	National Institute of Health - Intramural
National Institutes of Health	Roles of Oxytocin and Vasopressin in Brain	$1,986,027	2.1	National Institute of Health - Intramural
National Institutes of Health	The Cognitive Neuroscience of Autism Spectrum Disorders	$907,757	2.1	National Institute of Health - Intramural
National Institutes of Health	Regulation of Neuroligins and Effects on Synapse Number and Function	$1,309,907	2.1	National Institute of Health - Intramural
FRAXA Research Foundation (FRAXA)	Altered Sleep in Fragile X Syndrome: Basis for a Potential Therapeutic Target	$0	2.2	National Institute of Health - Intramural
National Institutes of Health	Sleep and Neurodevelopment Service	$1,371,686	2.2	National Institute of Health - Intramural
National Institutes of Health	Neurodevelopmental and Behavioral Phenotyping	$868,283	2.1	National Institute of Health - Intramural
FRAXA Research Foundation (FRAXA)	Non-Invasive Imaging as a Biomarker for Future Fragile X Clinical Trials	$0	2.Core/Other	Neurocentre Magendie
Simons Foundation	Structural Biological Studies of the Soluble and Membrane Regions of KCC2	$126,163	2.1	New York Structural Biology Center
Brain & Behavior Research Foundation	Dissecting the Human Magnocellular Visual Pathway in Perceptual Disorders	$0	2.2	New York University
Brain & Behavior Research Foundation	Nominally Non-responsive Cells in a Sensory-prefrontal Cortical Loop Enable the Flexible Control of Adaptive Behavior	$17,500	2.1	New York University
National Institutes of Health	Neuronal Adaptation and Plasticity after Chronic Disuse	$423,750	2.1	New York University School of Medicine
Simons Foundation	Role of a novel PRCI complex in neurodevelopment and ASD neurobiology	$112,500	2.1	New York University School of Medicine
National Institutes of Health	Characterizing Maladaptive Homeostatic Plasticity in an Animal Model of ASD	$44,524	2.1	New York University School of Medicine
Simons Foundation	Oxytocin receptor signaling	$70,000	2.1	New York University School of Medicine
National Institutes of Health	Axonal Transport Regulates Synaptic Function and Axonal Homeostasis	$1,732,619	2.1	NIH Intramural Program
Simons Foundation	Spatiotemporal dissection of UBE3A with engineered human cerebral organoids	$0	2.1	North Carolina State University
Department of Defense - Army	Predicting Situational Onset of Aggression in Minimally Verbal Youth with Autism Using Biosensor Data and Machine Learning Algorithms	$0	2.1	Northeastern University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Quantification of Predictive Motor Impairments in Individuals with ASD	$194,383	2.1	Northeastern University
Simons Foundation	Characterization of predictive abilities in individuals with ASD using web-based interception games	$0	2.1	Northeastern University
Department of Defense - Army	Autism-Associated Mutations in L-Type Ca2+ Channels	$0	2.1	Northwestern University
Department of Defense - Army	Autism-Associated Mutations in L-Type Ca2+ Channels	$0	2.1	Northwestern University
National Institutes of Health	A Family-Genetic Study of Language in Autism	$609,022	2.1	Northwestern University
National Institutes of Health	Parent-Toddler EEG Neural Synchrony as a Window into Social Communication Deficits in Autism	$232,646	2.1	Northwestern University
Simons Foundation	Striatal circuit dysfunction in a novel autism mouse model	$0	2.1	Northwestern University Feinberg School of Medicine
Autism Science Foundation	Using big data to characterize the female brain in autism	$0	2.CC	NYU School of Medicine
National Institutes of Health	Characterizing Mechanistic Heterogeneity across ADHD and Autism	$194,969	2.1	Oregon Health & Science University
National Institutes of Health	Characterizing Patient-specific TBR1 Mutations: Understanding a Master Regulator of Autism Risk	$499,244	2.1	Oregon Health & Science University
National Institutes of Health	Massively Parallel Functional Analyses of Human PTEN Variants	$44,524	2.1	Oregon Health & Science University
Brain & Behavior Research Foundation	The Impact of Sleep Disturbance During Development on Autism-like Social Behavior in Voles	$17,500	2.2	Portland VA Research Foundation; Oregon Health and Science University
Simons Foundation	Associative circuitry in Bcl11a/Ctip1 ASD mice: growth cone proteomes & RNA	$150,000	2.1	President & Fellows of Harvard College
Simons Foundation	Comparison of iPSC reprogramming methods from 16p11.2 microdeletion patient derived tissue	$0	2.1	President & Fellows of Harvard College
Simons Foundation	Molecular and functional characterization of sickness-sensitive circuits	$162,500	2.1	President & Fellows of Harvard College
National Institutes of Health	Connectivity of the Posterior Cerebellum	$41,124	2.1	Princeton University
National Institutes of Health	Cerebellar Determinants of Flexible and Social Behavior on Rapid Time Scales in Autism Model Mice	$946,977	2.1	Princeton University
National Institutes of Health	Imaging Adaptive Cerebellar Processing at Cellular Resolution in Awake Mice	$428,215	2.1	Princeton University
National Institutes of Health	Statistical Methods for Ultrahigh-Dimensional Biomedical Data	$308,503	2.Core/Other	Princeton University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Neural Mechanisms of Predictive Impairments in Autism	$373,253	2.1	Purdue University
National Institutes of Health	Understanding Attentional Strengths and Weaknesses in Autism Spectrum Disorder	$226,857	2.1	Purdue University
National Institutes of Health	Endoplasmic Reticulum Stress as a Novel Mechanism of Synaptic Dysfunction in Autism-Associated NLGN3 R451C Human Neurons	$38,788	2.1	Rbhs-Robert Wood Johnson Medical School
Brain & Behavior Research Foundation	Striatal Interneuron Deficiency Produces Autistic-like Behavior: An Insight into Neural Circuits and Treatment	$0	2.1	Research Foundation for the State University of New York (SUNY) on behalf of University at Buffalo
Simons Foundation	Top-down dynamics in autism	$0	2.1	Rockefeller University
The NJ Governor's Council for Medical Research and Treatment of Autism (NJMRTA)	Developmental Dysregulation of Inhibitory Neuron Migration as an Experimental Model to Analyze Mechanisms of Pediatric Autism-Epilepsy Syndromes	$0	2.1	Rutgers, The State University
The NJ Governor's Council for Medical Research and Treatment of Autism (NJMRTA)	Characterization of the female phenotype of ASD using Big Data	$0	2.CC	Rutgers, The State University
National Institutes of Health	Identifying the Role of Emotion Processes in Core Features of Autism Spectrum Disorder	$182,345	2.1	Rutgers, The State Univ of N.J.
The NJ Governor's Council for Medical Research and Treatment of Autism (NJMRTA)	Immune Regulation of Subventricular Zone Neural Stem	$0	2.1	Rutgers University, Biomedical and Health Sciences (RBHS)
The NJ Governor's Council for Medical Research and Treatment of Autism (NJMRTA)	A Role For Semaphorin Functions In Cortico-Basal Ganglia Development, Repetitive Behavior, And Autism Spectrum Disorder	$0	2.2	Rutgers University, Biomedical and Health Sciences (RBHS)
Autism Speaks	Identifying Astrocyte-Secreted Protein Factors Linked to Altered Neuronal Development in ASD	$32,000	2.1	Salk Institute for Biological Studies
National Institutes of Health	Dissecting Neural Mechanisms Integrating Multiple Inputs in C.Elegans	$481,000	2.1	Salk Institute For Biological Studies
National Institutes of Health	Integrity and Dynamic Processing Efficiency of Networks in ASD	$577,255	2.1	San Diego State University
National Institutes of Health	Impact of Multisensory Function on Symptomatology in Young Children with ASD	$195,916	2.3	San Diego State University
National Institutes of Health	Multimodal Imaging of Early Neural Signature in Autism Spectrum Disorder	$519,969	2.3	San Diego State University
Simons Foundation	Characterizing topographically variable dysplasias in individuals with ASDs	$0	2.1	San Diego State University Research Foundation
National Institutes of Health	Heparan Sulfate in Neurophysiology and Neurological Disorders	$425,231	2.1	Sanford Burnham Prebys Medical Discovery Institute
National Institutes of Health	Circuit-level substrates of ASD-related cognitive and behavioral impairments	$860,721	2.1	Scripps Florida

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Regulation of mTOR Signaling in the Developing Cerebral Cortex as a Point of Convergence for Multiple Autism Risk Factors	$480,000	2.1	Scripps Florida
National Institutes of Health	Proteogenetics of Autism Spectrum Disorders	$608,199	2.1	Scripps Research Institute
Simons Foundation	Cell type molecular neuropathology of the cerebellum in autism	$0	2.1	Seattle Children's Hospital
National Institutes of Health	Eyeblink Conditioning in School-Aged Children with ASD	$497,699	2.1	Seattle Children's Hospital
National Institutes of Health	Neural Correlates of Biological Motion Perception in Children with ASD	$175,793	2.3	Seattle Children's Hospital
National Institutes of Health	Investigating the Synaptic Pathology of Autism	$521,823	2.1	Seattle Children's Hospital
Brain & Behavior Research Foundation	Synaptic Homeostasis of the Homer1 Network in a Shank3 Model of Autism	$17,500	2.1	Seattle Children's Research Institute
National Institutes of Health	Engrailed Genes and Cerebellum Morphology, Spatial Gene Expression and Circuitry	$639,375	2.1	Sloan-Kettering Inst Can Research
Department of Defense - Army	The Relationship Between Brain Functioning, Behavior, and Microbiota in Autism Spectrum Disorder	$0	2.1	Southern California, University of
National Institutes of Health	Neurobiological Signatures of Perception of Audiovisual Speech in Children with Autism Spectrum Disorders	$394,859	2.1	Southern Connecticut State University
National Institutes of Health	Characterizing the CHD8 Complex to Determine its Role in Autism Spectrum Disorder	$18,399	2.1	Stanford University
National Institutes of Health	Gabaergic Neurophysiology in Autism Spectrum Disorder	$195,048	2.1	Stanford University
National Institutes of Health	Molecular and Neural Networks Underlying Social Attachment	$615,653	2.1	STANFORD UNIVERSITY
National Institutes of Health	Limbic Circuit Dysfunction in Offspring Following Maternal Immune Activation	$198,076	2.1	Stanford University
National Institutes of Health	Robust 1H MRSI of GABA, Glutamate, Glutamine, and Glutathione	$334,606	2.1	Stanford University
National Institutes of Health	Defining the Molecular Basis of Autism Caused by Inherited Null Mutations in BAF53B	$36,305	2.1	Stanford University
Simons Foundation	BAF53b (Actl6b) in Autism and Neurodevelopmental Disorders	$275,000	2.1	Stanford University
Simons Foundation	Decoding Affective Prosody and Communication Circuits in Autism	$0	2.1	Stanford University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Effects of Social Gaze Training on Brain and Behavior in Fragile X Syndrome	$406,696	2.1	Stanford University
National Institutes of Health	Cross Modal Integration of Molecular and Physiological Networks in ASD (2/2)	$804,886	2.1	Stanford University
National Institutes of Health	Gaining Insight into Psychiatric Disease by Engineering Piece by Piece the Human Brain In Vitro.	$491,734	2.1	Stanford University
National Institutes of Health	Induced Neuronal Cells: A Novel Tool to Study Neuropsychiatric Diseases	$615,259	2.1	Stanford University
National Institutes of Health	Learning and Brain Plasticity in Children with Autism: Relation to Cognitive Inflexibility and Restricted-Repetitive Behaviors	$724,432	2.1	Stanford University
Simons Foundation	The neuronal reprogramming factor and autism-associated gene Myt1l	$275,000	2.1	Stanford University
Simons Foundation	Neurobiology of Rai1, a critical gene for syndromic ASDs	$87,500	2.1	Stanford University
National Institutes of Health	ASD-Relevant Gene-Immune Interactions in the Developing Brain	$36,945	2.1	Stanford University
Simons Foundation	Myelin integrity and plasticity in Autism Spectrum Disorders	$0	2.1	Stanford University
Brain & Behavior Research Foundation	Interrogating Synaptic Transmission in Human Neurons	$0	2.1	Stanford University
Autism Science Foundation	Explaining how the ASD brain works during social interaction	$25,000	2.1	State University of New York, Stony Brook
National Institutes of Health	Optimizing Prediction of Social Deficits in Autism Spectrum Disorders	$474,470	2.1	State University of New York, Stony Brook
Brain & Behavior Research Foundation	Electrophysiological Correlates of Social-emotional Learning in ASD	$17,500	2.1	State University of New York, Stony Brook
Department of Defense - Army	IMAGING DEPRESSION IN ADULTS WITH ASD	$0	2.2	State University of New York, Stony Brook
National Science Foundation	Collaborative Research: Revealing the Invisible: Data-Intensive Research Using Cognitive, Psychological, and Physiological Measures to Optimize STEM Learning	$0	2.1	TERC Inc
Simons Foundation	Advancing a monkey model of social impairment	$278,400	2.1	The Board of Trustees of the Leland Stanford Junior University (Stanford)
Simons Foundation	Mechanistic studies of the interaction between Shank3 and CaMKIIa	$240,000	2.1	The Hong Kong University of Science and Technology
Simons Foundation	Brain imaging of treatment response	$0	2.1	The Hospital for Sick Children
Simons Foundation	Network activity and translational regulation in SHANK2 ASD neurons	$273,710	2.1	The Hospital for Sick Children
Simons Foundation	The role of the PTCHD1-antisense long noncoding RNA in Autism.	$196,088	2.1	The Hospital for Sick Children

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	The Jackson Laboratory	$89,400	2.1	The Jackson Laboratory
Simons Foundation	Fever and the brain in autism: Temperature versus inflammatory effects	$198,228	2.Core/Other	THE PROVOST, FELLOWS, FOUNDATION SCHOLARS & THE OTHER MEMBERS OF BOARD OF THE COLLEGE OF THE HOLY & UNDIVIDED TRINITY OF QUEEN ELIZABETH NEAR DUBLIN
Simons Foundation	Mechanistic insight into autism from a sex-specific induction model	$150,000	2.CC	The Rector and Visitors of the University of Virginia
Simons Foundation	The influence of ASD-risk genes on synaptic function in the basal ganglia	$275,000	2.1	The Regents of the University of California, Berkeley
Simons Foundation	Stability of Sensory Coding in Fragile-X Mice - Project 1	$0	2.1	The Regents of the University of California, Los Angeles
Simons Foundation	Integrative characterization of microglial and astrocyte activation in ASD	$82,500	2.1	The Regents of the University of California, Los Angeles
Simons Foundation	Objective Assessment of Repetitive Behaviors in Autistic Children	$0	2.Core/Other	The Regents of the University of California, San Diego
Simons Foundation	Expression and characterization of the neuron-specific potassium chloride cotransporter, KCC2	$0	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Subcortical multisensory integration in autism spectrum disorder	$82,500	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Investigating cell type-specific molecular pathology in autistic brain	$150,000	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Chromatin mechanisms of gene repression in ASD and cortical development	$275,000	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Cell Type Specificity of ASD Risk Factors in Developing Human Brain	$82,500	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Cellular and circuit effects of SCN2A haploinsufficiency	$150,000	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Molecular mechanisms of sensory transduction in the gut	$150,000	2.2	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Exploring calcium signaling defects in a mouse model of 16p11.2 deletion	$0	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Leveraging a high-throughput CRISPR screen to uncover convergent phenotypes across autism genes	$80,000	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Intersection of Autism Genetics and Homeostatic Plasticity	$0	2.1	The Regents of the University of California, San Francisco (Contracts & Grants)
Simons Foundation	Biochemical Analysis of ASD Mutations in SYNGAP1	$80,000	2.1	The Regents of the University of California, San Francisco (Contracts and Grants)
Simons Foundation	Elucidating the signaling pathways involved in autism spectrum disorder	$150,000	2.1	The Regents of the University of California (Davis)

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Department of Defense - Army	Regulatory Immune Mechanisms and Gastrointestinal Comorbidity in ASD	$0	2.2	The Regents of the University of California Davis
Simons Foundation	ASXL3 in Neural Fate Commitment and Autism Spectrum Disorder	$75,000	2.1	The Regents of the University of Michigan
Simons Foundation	Mechanisms of cortical plasticity in autism spectrum disorder	$82,500	2.1	The Regents of the University of Michigan
Simons Foundation	Neural correlates of sensory hypersensitivity in autism spectrum disorder	$150,000	2.1	The Salk Institute for Biological Studies
Autism Speaks	Regulation of Cortical Circuit Assembly by Syngap1	$32,000	2.1	The Scripps Research Institute, FL
Simons Foundation	Synaptic refinement and glial phagocytosis in a mammalian model of Fragile X Syndrome	$80,000	2.1	The Trustees of Columbia University in the City of New York
Simons Foundation	Epitranscriptomic regulation of ASD risk genes	$162,500	2.1	The Trustees of the University of Pennsylvania
Simons Foundation	Neural mechanisms underlying sleep disturbances in autism spectrum disorder	$82,500	2.2	The Trustees of the University of Pennsylvania
Simons Foundation	Neurodevelopmental assessment of motor behavior in a mouse model of autism	$0	2.1	The University of Iowa
Simons Foundation	Neurophysiological impact of abnormal infant sleep in 16p11.2 deletion mice	$92,669	2.2	The University of Iowa
Simons Foundation	The neuroscience and genetic basis of twice exceptionality: a pilot study	$80,000	2.1	The University of Iowa
Simons Foundation	Pilot study to evaluate molecular changes in the brain of Chd8 mutant mice as a function of age	$200,000	2.1	The University of North Carolina at Chapel Hill
Simons Foundation	Neural circuit development in the Fragile X zebrafish	$82,248	2.1	The University of Queensland
Simons Foundation	Sensory processing in ASD - a multi-level approach	$79,600	2.1	The University of Western Ontario
National Institutes of Health	Examining the Function of Biological Sex Specific Genes: The NLGN4s	$354,062	2.CC	Thomas Jefferson University
Simons Foundation	Vision in Genetically Characterized Autism Populations	$73,188	2.1	Trustees of Dartmouth College
Simons Foundation	Disrupted GABAergic action in the autistic brain	$173,900	2.1	Trustees of Dartmouth College
FRAXA Research Foundation (FRAXA)	MicroRNA Mediated Astroglial GLT1 Dysregulation in Fragile X	$0	2.1	Tufts University
National Institutes of Health	Molecular Causes of Cognitive and Autistic Disabilities	$468,897	2.1	Tufts University Boston
National Institutes of Health	Toward 3D Human Brain-Like Tissues for Targeting Dysregulated Synapse and Proteostasis Mechanisms in Autism Spectrum Disorder	$63,282	2.1	Tufts University Medford

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Autism Science Foundation	Phase 1a of the Autism Sisters Project	$111,461	2.CC	UCSF
Autism Science Foundation	Phase 1a of the Autism Sisters Project	$101,871	2.CC	UCSF
National Institutes of Health	Altered Dopamine Transporter Function in Autism	$29,400	2.1	University of Alabama at Birmingham
National Institutes of Health	Cortical Spread of Hippocampal Hyperactivity in Rett Syndrome	$457,549	2.1	University of Alabama at Birmingham
National Institutes of Health	Altered Dopamine Transporter Function in Autism	$29,400	2.1	University of Alabama At Birmingham
National Institutes of Health	MET Receptor Tyrosine Kinase and the Development of Forebrain Circuits	$383,750	2.1	University of Arizona
Simons Foundation	Stability of sensory coding in Fragile-X mice - Core	$86,419	2.1	University of Bristol
Simons Foundation	Multi-model platform for functionalizing ASD variants and drug testing	$162,500	2.1	University of British Columbia
Brain & Behavior Research Foundation	Dopaminergic Dysregulation in Mouse Models of Autism Spectrum Disorder	$17,500	2.1	University of California, Berkeley
Simons Foundation	Comparison of cortical circuit dysfunction in ASD model mice	$0	2.1	University of California, Berkeley
Autism Research Institute	Determination of exosomal biomarker candidates of ASD	$20,000	2.1	University of California, Davis
Brain & Behavior Research Foundation	Neural Correlates of Behavioral Treatment for Toddlers with ASD	$0	2.1	University of California, Davis Medical Center
Brain & Behavior Research Foundation	The Role of Medial Amygdala in Regulating Social Behaviors	$13,427	2.1	University of California, Los Angeles
Autism Science Foundation	Identifying the converging getnetic pathways across different forms of ASD	$35,000	2.1	University of California, Los Angeles
Department of Defense - Army	The Relationship Between Brain Functioning, Behavior, and Microbiota in Autism Spectrum Disorder	$0	2.1	University of California, Los Angeles
Simons Foundation	Parameterizing Neural Habituation in ASD with Sensory Overresponsivity	$0	2.1	University of California, Los Angeles
Autism Speaks	Impact of Familial ASD Risk on Functional Brain Connectivity in Infants	$32,000	2.1	University of California, Los Angeles
Autism Science Foundation	Undergraduate Research Award	$0	2.1	University of California, San Diego
National Institutes of Health	Glutamatergic Synapse Formation and Function	$387,500	2.1	University of California, San Diego
National Institutes of Health	Robust Trans-synaptic Labeling Technologies for Cell Type-specific Quantitation of Synaptic Connectivity	$437,452	2.Core/Other	University of California, San Diego
National Institutes of Health	Scalable Technologies for Genome Engineering in hIPSCS	$408,610	2.1	University of California, San Diego

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Personalized Treatment of Cognitive Deficits Associated with Deletion of CACNG2	$193,750	2.1	University of California, San Diego
National Institutes of Health	High Content Assays for Cellular and Synaptic Phenotypes	$523,284	2.Core/Other	University of California, San Diego
National Institutes of Health	Reproducible Protocols for Robust Cortical Neuron and Astroglial Differentiation	$554,873	2.Core/Other	University of California, San Diego
National Institutes of Health	Genomics Core	$210,815	2.Core/Other	University of California, San Diego
National Institutes of Health	Single-Cell Approaches to Deconvolution of Disease-Associated Signals	$837,955	2.Core/Other	University of California, San Diego
Simons Foundation	Translational dysregulation of the RhoA pathway in autism	$125,000	2.1	University of California, San Diego
National Institutes of Health	Mosaicism in Focal Cortical Dysplasias Spectrum Seen in Neuropsychiatric Disease	$967,385	2.2	University of California, San Diego
National Institutes of Health	Evaluating the Effect of Splicing Mutations on Isoform Networks in Autism	$519,794	2.1	University of California, San Diego
National Institutes of Health	Chromosomal Boundary Alterations Driving Transcriptional Dysregulation in Brain Disorders	$471,600	2.1	University of California, San Diego
National Institutes of Health	Collaboration on preclinical autism cellular assays, biosignatures, and network analyses	$3,221,756	2.1	University of California, San Diego
Simons Foundation	Do VIP interneurons drive abnormal prefrontal circuit function in autism?	$75,000	2.1	University of California, San Francisco
National Institutes of Health	Homeostatic Stabilization of Neural Function in Health and Disease	$1,174,199	2.1	University of California, San Francisco
National Institutes of Health	Dendrite Morphogenesis, Function and Regeneration	$554,750	2.1	University of California, San Francisco
Autism Science Foundation	Determining the nature and function of the SCN2A mutation in ASD	$35,000	2.1	University of California, San Francisco
National Institutes of Health	Vocal Sensorimotor Control and Voice Abnormalities in Autism Spectrum Disorders	$199,098	2.1	University of California, San Francisco
Simons Foundation	Linking circuit dynamics and behavior in a rat model of autism	$66,025	2.1	University of California, San Francisco
Simons Foundation	Delineating the role of Ras/MAPK signaling in 16p11.2 phenotypes	$125,000	2.1	University of California, San Francisco
Simons Foundation	Understanding the neurobiology of attachment deficits in ASD	$70,000	2.1	University of California, San Francisco
National Institutes of Health	Genetic Models for Social Attachment Deficits in Psychiatric Illness	$184,131	2.1	University of California, San Francisco
National Institutes of Health	Abnormal Prefrontal Network Structure Underlying Anxiety in Autism	$200,178	2.1	University of California, San Francisco

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	2/2 - Cell Type and Region-Specific Regulatory Networks in Human Brain Development and Disorders	$474,606	2.1	University of California, San Francisco
National Institutes of Health	The Psychiatric Cell Map Initiative: Connecting Genomics, Subcellular Networks, and Higher Order Phenotypes	$3,641,916	2.1	University of California, San Francisco
Simons Foundation	Behavioral effects of fever and other illness on young children with autism - Project 1	$90,000	2.Core/Other	University of California, San Francisco
Simons Foundation	Mechanisms that Connect Autism with Homeostatic Synaptic Plasticity	$125,000	2.1	University of California, San Francisco
National Institutes of Health	Longitudinal Investigation of Social-Communication and Attention Processes in School-Aged Children at Genetic Risk for Autism	$607,458	2.3	University of California at Davis
National Institutes of Health	Pre-adolescent and Late-adolescent Follow-up of the CHARGE Study Children	$4,522,143	2.3	University of California at Davis
National Institutes of Health	Environmental Influence on Infant Microbiome Development and ASD Symptoms	$671,599	2.Core/Other	University of California at Davis
National Institutes of Health	Environmental Influence on Infant Microbiome Development and ASD Symptoms	$99,712	2.Core/Other	University of California at Davis
National Institutes of Health	Phenotypic Characterization of Novel Models of Dup15q Syndrome	$343,438	2.1	University of California at Davis
National Institutes of Health	Visualization of Oxytocin Receptor for Translational Social Neuroscience	$231,600	2.1	University of California at Davis
National Institutes of Health	Maternal Asthma and Brain Development	$235,500	2.1	University of California at Davis
National Institutes of Health	Creation and Evaluation of iPSCs from Children with ASD with Megalencephaly	$436,429	2.2	University of California at Davis
National Institutes of Health	Behavioral and Neurobiological Phenotyping of ASD with Megalencephaly	$467,981	2.2	University of California at Davis
National Institutes of Health	Predictors of Cognitive Development in Autism Spectrum Disorder	$504,752	2.3	University of California at Davis
National Institutes of Health	Neurophenotypic Trajectories and Behavioral Outcomes in Autism Spectrum Disorder	$649,081	2.3	University of California at Davis
National Institutes of Health	Language Development in Fragile X Syndrome	$662,027	2.1	University of California at Davis
National Institutes of Health	Chandellier Interneurons and the Excitation/Inhibition Balance in the Human Prefrontal Cortex in Autism	$383,400	2.1	University of California at Davis
National Institutes of Health	Typical and Pathological Cellular Development of the Human Amygdala	$392,500	2.1	University of California at Davis
National Institutes of Health	Neural Phenotypes of Females with Autism Spectrum Disorder	$575,769	2.CC	University of California at Davis

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Shared and Distinct Developmental Pathways to ADHD and Autism Spectrum Disorder	$247,094	2.2	University of California at Davis
National Institutes of Health	Neurodevelopment of Cognitive Control in Autism: Adolescence to Young Adulthood	$569,900	2.3	University of California at Davis
National Institutes of Health	Mosaic Analysis with Double Markers in the Study of Neuronal Migration Disorders	$235,500	2.1	University of California at Davis
National Institutes of Health	Immune Regulation and Gastrointestinal Co-Morbidity in Autism Spectrum Disorders	$325,775	2.2	University of California at Davis
National Institutes of Health	Mapping Multi-Omics Networks in Microglia Across Autism Models	$105,790	2.1	University of California at Davis
National Institutes of Health	Identifying Phenotypic Convergence Among Autism Spectrum Disorder (ASD) Genes Using CRISPR/Cas9 in Xenopus	$196,250	2.1	University of California Berkeley
National Institutes of Health	Estrogen Receptor (ER)-Mediated Repression of Prenatal Inflammation in Fetal Microglia and its Impact on Autism	$325,775	2.CC	University of California Berkeley
National Institutes of Health	Rapid Inhibitory Circuit Plasticity as a Homeostatic Mechanism in Cerebral Cortex	$358,730	2.1	University of California Berkeley
National Institutes of Health	Loss and Rescue of Endocannabinoid-Dependent LTP and Memory in Fragile-X Model Mice	$426,656	2.1	University of California-Irvine
National Institutes of Health	Neural Basis of Social Cognition Deficits in Youth with Autism and Schizophrenia	$118,761	2.1	University of California Los Angeles
National Institutes of Health	Identification of Neural Mechanisms Linking Autism-Risk Gene Disruptions with Impaired Social Behavior	$128,601	2.1	University of California Los Angeles
National Institutes of Health	Parsing ASD Heterogeneity: Neuroendophenotypes of Social Attention and Sensory Responsivity	$860,901	2.1	University of California Los Angeles
National Institutes of Health	Mechanisms Underlying Sensory Over-Responsivity in ASD and Early Adversity	$201,812	2.1	University of California Los Angeles
National Institutes of Health	Prenatal Origins of Neurometabolic Consequences	$319,550	2.1	University of California Los Angeles
National Institutes of Health	1/2 Cross Modal Integration of Molecular and Physiological Networks in ASD	$1,083,373	2.1	University of California Los Angeles
National Institutes of Health	Parsing ASD Heterogeneity: Neuroendophenotypes of Social Attention and Sensory Responsivity	$298,312	2.1	University of California Los Angeles
National Institutes of Health	Genetics and Biomarkers Core	$338,813	2.1	University of California Los Angeles
National Institutes of Health	Gene-Brain-Environment Interactions as Determinants of Typical and Atypical Developmental Trajectories	$75,492	2.1	University of California Los Angeles

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	2/3 Integrative Genomic Analysis of Human Brain Development and Autism	$155,817	2.1	University of California Los Angeles
Health Resources and Services Administration	Maternal Immune Status and Autism Severity	$0	2.1	University of California MIND Institute
National Institutes of Health	Interactions Between IgSF Proteins in Neural Circuit Formation	$228,511	2.1	University of Chicago
National Science Foundation	Doctoral Dissertation Research: The Impact of Stress and Instability on the Resilience and Well-Being of Children with Autism	$0	2.Core/Other	University of Colorado at Boulder
FRAXA Research Foundation (FRAXA)	Auditory Dysfunction in Fragile X Syndrome, Role for the Sound Localization Pathway	$0	2.1	University of Colorado at Denver
National Institutes of Health	The Extraordinary Babies Study: Natural History of Health and Neurodevelopment in Infants and Young Children with Sex Chromosome Trisomy	$534,473	2.3	University of Colorado Denver
National Institutes of Health	Optimal Outcomes in ASD: Adult Functioning, Predictors, and Mechanisms	$766,991	2.3	University of Connecticut Storrs
Brain & Behavior Research Foundation	Neural Bases of Atypical Language Learning in Children with ASD: A Combined FMRI/MEG Study	$0	2.1	University of Delaware
Brain & Behavior Research Foundation	Using Targeted Genome Editing to Generate Novel Preclinical Rodent Models of Autism	$35,000	2.1	University of Edinburgh
Simons Foundation	A major programme of fundamental and clinical autism research	$5,319,931	2.1	University of Edinburgh
Simons Foundation	Tracing abnormal developmental trajectories in cortical neurons	$114,525	2.1	University of Geneva
National Institutes of Health	Epigenomic Dysregulation of Neurodevelopmental Genes Underlies Autism Spectrum Disorders	$192,500	2.1	University of Hawaii at Manoa
Brain & Behavior Research Foundation	The Study of Homeostatic Downscaling in Psychiatric Disorders	$0	2.1	University of Illinois at Urbana-Champaign
National Institutes of Health	Understanding the Biology of Language Impairment through Whole Genome Sequencing	$629,574	2.1	University of Iowa
National Institutes of Health	Exploring Novel Epilepsy Pathways	$50,430	2.2	University of Iowa
National Institutes of Health	The Effects of Parenting on the Development and Behavior of Adolescents with FXS	$482,839	2.3	University of Kansas Lawrence
National Institutes of Health	Motor Abnormalities and Functional Brain Mechanisms in Autism Spectrum Disorder	$470,911	2.1	University of Kansas Lawrence
National Institutes of Health	Motor abnormalities and functional brain mechanisms in autism spectrum disorder	$470,911	2.1	University of Kansas Lawrence
Simons Foundation	Exploring Sex Differences in ASD via the NRXN1 KO Rat	$75,000	2.CC	University of Maryland, College Park

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Thalamocortical Circuit Defects in Developmental Brain Disorders	$497,444	2.1	University of Maryland Baltimore
National Institutes of Health	The Development of the Temporal Organization of Perception in Autism Spectrum Disorder	$228,750	2.1	University of Massachusetts Boston
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Core	$137,500	2.1	University of Massachusetts Medical School
Brain & Behavior Research Foundation	Microglia-dependent Regulation of Inhibitory Brain Circuits in Health and Disease	$0	2.1	University of Massachusetts Medical SchoolUniversity of Massachusetts, Amherst
National Institutes of Health	Infant Vocal Communication: Typical Development and Autism Risk	$517,111	2.3	University of Memphis
National Institutes of Health	Cognitive and Neural Flexibility in Autism	$445,328	2.1	University of Miami Coral Gables
National Institutes of Health	Gastrointestinal Comorbidities in Autism Spectrum Disorders	$217,735	2.2	University of Miami Coral Gables
National Institutes of Health	Role of Histone Ubiquitination in Neurodevelopment and Disease	$415,708	2.1	University of Michigan at Ann Arbor
National Institutes of Health	Novel Non-Cell Autonomous Mechanisms of Callosal Dysgenesis in CHARGE Syndrome	$28,345	2.Core/Other	University of Michigan at Ann Arbor
National Institutes of Health	L1CAM Adhesion and Signaling Pathways in C. Elegans	$327,597	2.1	University of Minnesota
Autism Science Foundation	Undergraduate Research Award	$0	2.1	University of Minnesota
Autism Science Foundation	Understanding the female protective effect in infants with and without ASD	$0	2.CC	University of Minnesota
National Institutes of Health	Development and Neural Mechanisms of Repetitive Behavior and Sensory Responsivity in Autism	$604,280	2.3	University of Minnesota
National Institutes of Health	Optogenetic Monitoring and Modulation of Nucleus Accumbens Microcircuitry in Cognition	$59,038	2.1	University of Minnesota
National Institutes of Health	Maternal Immune Activation in a Genetic Mouse Model of ASD	$375,318	2.1	University of Nebraska Medical Center
Autism Speaks	Understanding pathways to auditory processing disorders in infants at high risk for ASD	$20,000	2.1	University of North Carolina
Simons Foundation	Sleep-dependent synapse remodeling during development and in Rett syndrome	$150,000	2.2	University of North Carolina at Chapel Hill (Chapel Hill, NC)
National Institutes of Health	Visuomotor Integration and Attention in Autism Spectrum Disorder	$188,447	2.1	University of North Texas Health Science Center
National Institutes of Health	Molecular Mechanisms of Electrical Synapse Formation In Vivo	$249,000	2.1	University of Oregon
National Institutes of Health	Functional Connectivity in Developmental Delay: Shared Etiology and Differential Outcomes	$221,250	2.1	University of Oregon

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Localizing Abnormalities in Goal-Directed Behavior to Striatal Circuits in the Neurexin1 Mouse Model	$31,589	2.1	University of Pennsylvania
Simons Foundation	Uncovering the impact of 16p11.2del on neurons mediating motivated behavior	$124,936	2.CC	University of Pennsylvania
National Institutes of Health	Altered Ionotropic Receptor Maturation in the Impaired Auditory Critical Periods of Fmr1 Knockout Mice	$44,524	2.1	University of Pennsylvania
Simons Foundation	The role of silent synapses in the etiology of autism	$70,000	2.1	University of Pittsburgh
Brain & Behavior Research Foundation	Interpersonal Neural Coordination During Social Interaction in Children with Autism Spectrum Disorders	$17,485	2.1	University of Pittsburgh
National Institutes of Health	Role of Attention in Balance and Mobility in Autism Spectrum Disorders	$193,993	2.1	University of Pittsburgh at Pittsburgh
Simons Foundation	Functional and behavioral analysis of zebrafish ASD models	$74,982	2.1	University of Queensland
Brain & Behavior Research Foundation	Investigating the Function of Autism Candidate Gene LIN-2/CASK in Cholinergic Synapse	$17,425	2.1	University of Queensland
Simons Foundation	USP9X: A master gene for neural development and autism	$0	2.1	University of Queensland
National Institutes of Health	Neurogenetic Mechanisms of Sensory Circuit Plasticity	$308,000	2.CC	University of Rochester
National Institutes of Health	Otoacoustic Emissions and Auditory Feedback in Minimally Verbal Children with ASD	$192,500	2.1	University of Rochester
Autism Research Institute	To determine the minicolumnar morphometry of autistic, 15q dup and various Shank3 mutant mouse models as compared to those in control tissue.	$20,000	2.1	University of South Carolina, Greenville
National Institutes of Health	Emergence and Stability of Autism in Fragile X Syndrome	$612,127	2.3	University of South Carolina at Columbia
National Institutes of Health	Emergence and Stability of Autism in Fragile X Syndrome	$320,813	2.3	University of South Carolina at Columbia
National Institutes of Health	Emergence, Stability and Predictors of Anxiety in Fragile X Syndrome	$613,689	2.2	University of South Carolina at Columbia
National Institutes of Health	The Neurobiological Basis of Heterogeneous Social and Motor Deficits in ASD	$430,837	2.1	University of Southern California
Simons Foundation	Uncovering Trio's role in Autism Spectrum Disorder	$75,000	2.1	University of Southern California
National Institutes of Health	Role of DYRK1A/MNB in Synaptic Growth and Function	$453,361	2.1	University of Southern California
National Institutes of Health	Prefrontal Corticothalamic Circuits in Autism	$178,646	2.1	University of Texas, Austin

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National Institutes of Health	Optical Imaging Tools for Elucidating the Roles of Anions and Anionic Modifications in Cellular Signaling	$382,500	2.1	University of Texas Dallas
Brain & Behavior Research Foundation	SRPX2 Regulation of Synapse Formation: Implications for Schizophrenia and Autism Spectrum Disorder	$0	2.1	University of Texas Health Science Center at San Antonio
Autism Speaks	Investigating the cerebellar circuit target for modulating ASD behaviors	$0	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Defining the Translational Landscape in Mouse Models of Autism - Project 1	$137,500	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Foxp1 orchestration of neuronal function in the striatum	$74,425	2.1	University of Texas Southwestern Medical Center
Brain & Behavior Research Foundation	The Role of UBE3B in the Pathogenesis of Autism Spectrum Disorder	$0	2.1	University of Texas Southwestern Medical Center
Autism Science Foundation	Understanding the genetic influence of brain circuitry in ASD	$35,000	2.1	University of Texas Southwestern Medical Center
Simons Foundation	Cerebello-Cortical circuits in Autism-related behavior	$150,000	2.1	University of Texas Southwestern Medical Center
National Institutes of Health	Tools for Manipulating Local Protein Synthesis in the Brain	$172,800	2.1	University of Toronto
National Institutes of Health	Multiscale Genetic Connectivity of Primate Social Circuits	$636,124	2.1	University of Utah
National Institutes of Health	Beyond Diagnostic Classification of Autism: Neuroanatomical, Functional, and Behavioral Phenotypes	$381,250	2.1	University of Utah
Brain & Behavior Research Foundation	From Synaptic Dysfunction to Abnormal Brain Connectivity in Autism	$0	2.1	University of Utah
Brain & Behavior Research Foundation	Altered Synaptic Autophagy as a Mouse Model for Autism	$35,000	2.1	University of Utah
National Institutes of Health	Cellular and Molecular Mechanisms Disrupted in 22q13 Deletion Syndrome and Autism	$380,626	2.1	University of Utah
National Institutes of Health	Mechanisms of Epilepsy in Human Neurodevelopmental Disorders: Focus on Phelan-McDermid Syndrome	$228,500	2.2	University of Utah
National Institutes of Health	Age-Dependent Dysfunction of GABAergic Neurotransmission Due to Autism-Associated mTOR Pathway Activation	$97,305	2.CC	University of Virginia
National Institutes of Health	Age-Dependent Dysfunction of GABAergic Neurotransmission Due to Autism-Associated mTOR Pathway Activation	$305,924	2.CC	University of Virginia
National Institutes of Health	Multimodal Developmental Neurogenetics of Females with ASD	$2,338,691	2.1	University of Virginia
Simons Foundation	Pathogenic Gating Pore Current in Autism	$0	2.1	University of Washington

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Science Foundation	Network Optimization of Functional Connectivity in Neuroimaging for Differential Diagnosis of Brain Diseases	$0	2.1	University of Washington
National Institutes of Health	Inhibitory Dysfunction in Autism	$559,741	2.1	University of Washington
National Institutes of Health	Quantitative 3D Imaging of In Situ Nanoparticle Movement and Cellular Behavior During Neuroinflammation	$361,909	2.Core/Other	University of Washington
National Institutes of Health	Role of Autism Susceptibility Gene, TAOK2 Kinase, and its Novel Substrates in Synaptogenesis	$249,000	2.1	University of Washington
Autism Science Foundation	Undergraduate Research Award	$3,000	2.CC	University of Washington
Autism Science Foundation	Undergraduate Research Award	$3,000	2.1	University of Wisconsin
FRAXA Research Foundation (FRAXA)	Preclinical Testing of Sleep-Wake Patterns as an Outcome Measure for Fragile X	$0	2.2	University of Wisconsin at Madison
Brain & Behavior Research Foundation	Evoked Neurotransmitter and Neurochemical Amygdala Responses and Autonomic Arousal to Social Threat and Safety Signals in Typically Developing and Autistic Children and Adolescents	$0	2.1	University of Wisconsin-Madison
National Institutes of Health	Synaptotagmin C2B Domain as a Ca2+ Sensing Module	$376,140	2.1	University of Wisconsin-Madison
National Institutes of Health	Atypical Late Neurodevelopment in Autism: A Longitudinal Clinical Phenotype and Multimodal Brain Imaging Study	$760,319	2.3	University of Wisconsin-Madison
National Institutes of Health	Characterizing Lexical Processing in Toddlers with Autism Spectrum Disorders	$533,529	2.1	University of Wisconsin-Madison
National Institutes of Health	Spastic Paraplegia, Neurodegeneration and Autism: Possible Role for AT-1/SLC33A1?	$330,978	2.1	University of Wisconsin-Madison
National Institutes of Health	Brain Connectivity and the Role of Myelin in Autism Spectrum Disorders	$134,757	2.1	University of Wisconsin-Madison
National Institutes of Health	The Relationship Between Language and the Brain in Neurodevelopmental Disorders	$170,259	2.1	University of Wisconsin-Madison
National Institutes of Health	Brainstem Contributions to Sensorimotor and Core Symptoms in Children with Autism Spectrum Disorder	$429,873	2.1	University of Wisconsin-Madison
National Institutes of Health	Brain Network Dynamics Contributing to Atypical Social Interaction in Autism	$531,761	2.1	Univ of Maryland, College Park
National Institutes of Health	Functional Analysis of Neuroligin-Neurexin Interactions in Synaptic Transmission	$366,406	2.1	Univ of Massachusetts Med Sch Worcester
National Institutes of Health	Imaging Biomarkers of Social Cognition and Pharmacologic Target Engagement in ASD	$188,969	2.1	Univ of Massachusetts Med Sch Worcester
Simons Foundation	Visualizing neural circuits of social sensory processing	$0	2.1	Univ of North Carolina, Chapel Hill

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Simons Foundation	Identification of shared transcriptional profiles with three high-confidence autism mouse models	$110,000	2.1	Univ of North Carolina, Chapel Hill
National Institutes of Health	Mechanisms of Visual Encoding and Plasticity in Anterior Cingulate Cortex	$94,869	2.1	Univ of North Carolina Chapel Hill
National Institutes of Health	Brain and Behavior Study of Autism from Infancy Through School Age	$2,212,492	2.3	Univ of North Carolina Chapel Hill
National Institutes of Health	Mechanisms of Developmental Spine Pruning Regulated by IgCAMs and Semaphorins	$388,750	2.1	Univ of North Carolina Chapel Hill
Simons Foundation	Elucidation of the Bidirectional Role of Microglia in Fragile X Syndrome	$0	2.1	Univ of Texas Health Science Center at San Antonio
Brain & Behavior Research Foundation	Balancing Neuronal Excitability: Synaptic Shank Proteins Control Metabotropic Glutamate Receptor Trafficking and Activity	$17,500	2.1	Utrecht University
Tuberous Sclerosis Alliance (TSA)	Impact of Cerebellar – Medial Prefrontal Cortical Circuits	$56,250	2.1	UT Southwestern
Tuberous Sclerosis Alliance (TSA)	Neural Circuits Underlying Autism-Related Behaviors in Tuberous Sclerosis	$18,750	2.1	UT Southwestern
National Institutes of Health	The Role of Foxp1-Regulated Signaling Pathways in Brain Development and Behavior	$405,000	2.1	Ut Southwestern Medical Center
National Institutes of Health	Role of Brg1 in Activity-Induced Neuronal Gene Expression and Synaptic Plasticity	$352,407	2.1	Ut Southwestern Medical Center
National Institutes of Health	Amino Acid Metabolism in Autism Spectrum Disorder	$202,500	2.1	Ut Southwestern Medical Center
Simons Foundation	Activity-regulated transcription and ASD genes in synapse pruning	$82,500	2.1	UT Southwestern Medical Center
National Institutes of Health	Neural Function of the Human Memory-Associated Protein KIBRA: Bridging Molecular to Circuit-Level Function	$405,000	2.1	Ut Southwestern Medical Center
Simons Foundation	Foxp1-regulated cell-type specific contributions to striatal development	$161,276	2.1	UT Southwestern Medical Center
National Institutes of Health	Investigating the Cerebellar Circuit Substrate for Modulating ASD Core Diagnostic Behaviors	$38,124	2.1	Ut Southwestern Medical Center
National Institutes of Health	Bidirectional Tyrosine Kinase Signaling	$506,652	2.1	Ut Southwestern Medical Center
National Institutes of Health	Regulation of Experience-Dependent Cortical Circuit Development by MEF2C and Genes Linked to Neurodevelopmental Disorders	$399,770	2.1	Ut Southwestern Medical Center
National Institutes of Health	Endocannabinoids in Social and Repetitive Behavioral Domains	$23,289	2.1	Vanderbilt University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
Brain & Behavior Research Foundation	Above the Noise: RNA-Seq Analysis of MeCP2 and Non-MeCP2 Rett Syndrome Autopsy Samples	$17,500	2.1	Vanderbilt University
National Science Foundation	EAPSI: Longitudinal Modeling of Neurocognitive and Psychosocial Trajectories in Children with Autism Spectrum Disorder	$0	2.3	Vanderbilt University
Autism Science Foundation	Understanding the pain response in people with autism	$0	2.Core/Other	Vanderbilt University
National Institutes of Health	Development of a Selective Metabotropic Glutamate Receptor 7 Allosteric Modulator Probe	$400,356	2.1	Vanderbilt University
Brain & Behavior Research Foundation	Modulation of Excitatory Synaptic Transmission in Mental Illnesses	$0	2.1	Vanderbilt University
Autism Speaks	Physiological response patterns in children with ASD to predict internalizing symptoms	$32,000	2.2	Vanderbilt University
National Institutes of Health	Dopamine Transporter Dysfunction in Autism Spectrum Disorder	$29,204	2.1	Vanderbilt University
National Institutes of Health	Neural Networks for Attention to Internal and External Sensory Cues in ASD	$394,652	2.1	Vanderbilt University Medical Center
National Institutes of Health	Research Project: Sensory and Multisensory Contributions to Autism	$347,769	2.1	Vanderbilt University Medical Center
Brain & Behavior Research Foundation	The Role of Microglia in Regulation of Projection-specific Prefrontal Cortical Neuron Synapses	$0	2.1	Vanderbilt University Medical Center
National Institutes of Health	Sensory Project in Infant/Toddler Siblings of Children with Autism (Project SPIS)	$158,000	2.1	Vanderbilt University Medical Center
National Institutes of Health	Examining Stress and Arousal Across Pubertal Development in ASD	$488,319	2.2	Vanderbilt University Medical Center
National Institutes of Health	Social Rhythmic Entrainment and Language Development in Autism Spectrum Disorders	$158,000	2.1	Vanderbilt University Medical Center
Simons Foundation	Insula-Central Amygdala Circuits in Social and Sensory Function	$80,000	2.1	Vanderbilt University Medical Center (VUMC)
National Institutes of Health	Investigating the Mechanism of Optic Nerve Hypoplasia Associated with CASK Mutation	$402,500	2.2	Virginia Polytechnic Inst and St Univ
National Institutes of Health	Foxp2 Regulation of Sex Specific Transcriptional Pathways and Brain Development	$237,932	2.CC	Virginia Polytechnic Inst and St Univ
National Institutes of Health	Prenatal Environmental Toxicants Induce Neuroinflammation Causing Autistic Behaviors	$556,953	2.1	Wadsworth Center
National Institutes of Health	Molecular Mechanism of Hippocampal Network Excitability in a Novel, In Vivo Model of Tuberous Sclerosis Complex	$335,999	2.2	Wake Forest University Health Sciences

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Shank3 in Autism and Sleep Disturbances	$208,774	2.2	Washington State University
National Institutes of Health	An fMRI Investigation of Propagated intrinsic Activity in Early Development and Autism	$35,962	2.1	Washington University
National Institutes of Health	Imaging Brain Function in Children with Autism Spectrum Disorders with Diffuse Optical Tomography	$142,015	2.1	Washington University
National Institutes of Health	Predicting Preschool Psychopathology with Brain Connectivity in Preterm Neonates	$182,544	2.1	Washington University
National Institutes of Health	Sex-Specific Modulation of ASD Liability: Compensatory Mechanisms and Recurrence	$307,603	2.CC	Washington University
National Institutes of Health	Regulation of Mammalian Social Behavior by the Gtf2i Family of Proteins	$504,828	2.1	Washington University
National Institutes of Health	Advancing Early Behavioral and Neural Phenotypes of Social Motivation in ASD	$185,929	2.1	Washington University
National Institutes of Health	Location-Dependent Signaling of MGLU5 in Models of Synaptic Plasticity Using CRISPR-Targeted Mice	$228,750	2.1	Washington University
National Institutes of Health	Mapping Language Processing in Children with Autism Spectrum Disorder with Diffuse Optical Tomography	$228,750	2.1	Washington University
National Institutes of Health	The Preterm Behavioral Phenotype: Trajectories of Psychopathology & Changes in Cerebral Connectivity	$622,284	2.3	Washington University
National Institutes of Health	Understanding Transcriptional Mechanisms Critical for Neural Development	$30,442	2.1	Washington University
National Institutes of Health	A Longitudinal MRI Study Characterizing Very Early Brain Development in Infants with Down Syndrome	$2,297,205	2.1	Washington University
Brain & Behavior Research Foundation	Molecular Dimorphism in the Locus Coeruleus May Mediate Sex-specific Differences in Psychiatric Disease Risk	$50,000	2.CC	Washington University in St. Louis
Brain & Behavior Research Foundation	Understanding Disruption of Neuronal DNA Methylation in Disorders of Cognition	$17,500	2.1	Washington University in St. Louis
Simons Foundation	A novel method for revealing the shared molecular pathways of autism genes	$0	2.1	Washington University in St. Louis
Simons Foundation	Developmental changes in a mouse model of UBE3A hyperactivation	$150,000	2.1	Washington University in St. Louis
Simons Foundation	Exploring disruption of DNA methylation in autism spectrum disorders	$150,000	2.1	Washington University in St. Louis
Brain & Behavior Research Foundation	Mechanisms of UBE3A Dysfunction in Brain Development	$35,000	2.1	Washington University School of Medicine
Simons Foundation	Behavioral effects of fever and other illness on young children with autism –Core	$67,850	2.Core/Other	Weill Cornell Medical College

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	The Instruction of Sensory Inputs in Inhibitory Circuit Maturation in the Somatosensory Cortex	$45,891	2.1	Weill Medical Coll of Cornell Univ
National Institutes of Health	Functional Architecture of a Face Processing Area in the Common Marmoset	$49,524	2.1	Weill Medical Coll of Cornell Univ
National Institutes of Health	Environmental Influences on Neurodevelopmental Outcome in Infants Born Very Preterm	$3,924,809	2.3	Women and Infants Hospital-Rhode Island
National Institutes of Health	Functional Connectomics Associated with ASD	$376,587	2.CC	Yale University
National Institutes of Health	Familial Risk for ASD Alters Connectivity in Developing Brain	$206,385	2.1	Yale University
National Institutes of Health	Clinical Characterization Core	$421,107	2.Core/Other	Yale University
National Institutes of Health	Biological Substrates of Risk and Resilience Using Patient-Derived Stem Cells	$450,612	2.1	Yale University
National Institutes of Health	2/2 Somatic Mosaicism and Autism Spectrum Disorder	$813,509	2.1	Yale University
National Institutes of Health	Functional Genomics of Human Brain Development	$1,297,265	2.1	Yale University
National Institutes of Health	Neurobiology of Autism with Macrocephaly	$584,101	2.1	Yale University
Simons Foundation	Restoring GABA inhibition in a Rett syndrome mouse model by tuning a kinase-regulated Cl- rheostat	$133,678	2.1	Yale University
Simons Foundation	The role of striatal interneurons in social deficits and repetitive behaviors	$0	2.CC	Yale University
National Institutes of Health	Neural Mechanisms for Social Interactions and Eye Contact in ASD	$642,068	2.1	Yale University
Brain & Behavior Research Foundation	High-throughput Quantitative Analysis of Enhancer Elements Associated with ASD	$0	2.1	Yale University
Brain & Behavior Research Foundation	Exploring Tridimensional Chromatin Interactions in ASD-derived Brain Organoids	$0	2.1	Yale University
National Institutes of Health	Attentional, Temperamental, and Physiological Process Underlying Anxiety in Preschoolers with ASD	$776,151	2.2	Yale University
National Institutes of Health	Role of Gabaergic Interneurons in Developmental Dysregulation of Cortical Function	$418,311	2.1	Yale University
Simons Foundation	Effect of Autism risk genes in neural cell identity using single cell seq	$275,000	2.1	Yale University
Simons Foundation	Mapping ASD regulatory networks at cellular resolution in neurodevelopment	$275,000	2.1	Yale University

Funder	Project Title	Funding	Strategic Plan Objective	Institution
National Institutes of Health	Mapping Regulatory Networks of Autism Risk at Cellular Resolution during Neurodevelopment	$154,085	2.1	Yale University
Autism Speaks	High-throughput screens to discover regulatory mechanisms contributing to autism spectrum disorder	$0	2.1	Yale University
Brain & Behavior Research Foundation	Inhibitory Synaptic Dysfunction in Autism Spectrum Disorder	$35,000	2.1	Yale University
National Institutes of Health	Neural Mechanisms of Live Joint Attention in Autism Spectrum Disorders: An fNIRS Hyperscanning Investigation	$29,244	2.1	Yale University
National Institutes of Health	High-Throughput Functional Analysis of Autism Risk Genes	$418,750	2.1	Yale University
National Institutes of Health	Social-Communicative Deficits in Autism Spectrum Disorder as Measured by mGluR5 Positron Emission Tomography	$251,250	2.1	Yale University
National Institutes of Health	1/2 Cell Type and Region-Specific Regulatory Networks in Human Brain Development and Disorders	$1,238,066	2.1	Yale University
National Institutes of Health	1/3 Chromatin Regulation During Brain Development and in ASD	$550,583	2.1	Yale University
Simons Foundation	Gene Regulatory Control of Prefrontal Cortex Development and Evolution	$137,500	2.1	Yale University
Simons Foundation	Identifying convergent neural circuit impairments in autism.	$156,644	2.1	Yale University
National Institutes of Health	Statistical Analysis Core	$208,320	2.Core/Other	Yale University
National Institutes of Health	Neonatal Connectome as a Predictor of Social and Attentional Impairment in ASD	$366,262	2.1	Yale University
National Institutes of Health	Administrative Core	$110,245	2.Core/Other	Yale University
National Institutes of Health	Biological substrates of risk and resilience using patient-derived stem cells	$450,612	2.1	Yale University
National Institutes of Health	Familial risk for ASD alters connectivity in developing brain	$206,385	2.1	Yale University
National Institutes of Health	Functional connectomics associated with ASD	$376,587	2.1	Yale University
National Institutes of Health	Neonatal connectome as a predictor of social and attentional impairment in ASD	$366,262	2.1	Yale University
Simons Foundation	Learning-related activity in the autistic brain	$0	2.1	Yale University School of Medicine